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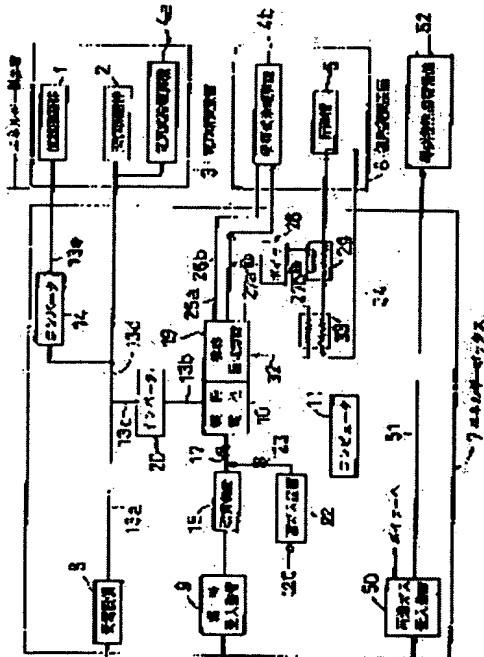
(54) ENERGY SUPPLY SYSTEM

(57)Abstract:

PURPOSE: To provide an energy supply system capable of effectively using an energy from a view point of energy consumers and a national point of view.

CONSTITUTION: In art energy supply system in which a heat generation generated by a fuel cell 10 is supplied to heat, generation consumption equipment 6 while a power received in receiving equipment 8 from a power station and a power generated by the fuel cell 10 are interconnected and are supplied to power consumption equipment 3, an operating amount, of the fuel cell 10 is calculated by operating amount calculation means so as to minimize an expression

$y=a \times L + b \times M + c \times N$ to an energy demand required in the power consumption equipment 3 and the heat, generation consumption equipment 6 or the like. Then, the fuel cell 10 is controlled by control means so as to satisfy the operating amount, and an energy is supplied so as to attain the optimum conditions in a cost to be charged for consumption and environmental pollution substance discharge respectively.



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